Dist-County-Route: 04-Sol-80
Post Mile Limits: 20.1/30.6
Project Type: Maintenance
Project ID (EA): XXXXXX
Program Identification:
Phase: ☐ PID ☐ PA/ED ☒ PS&E

Regional Water Quality Control Board(s): Central Valley

1.	Does the project disturb 5 or more acres of soil?	Yes ☐	No ☒
2.	Does the project disturb more than 1 acre of soil and not qualify for the Rainfall Erosivity Waiver?	Yes ☐	No ☒
3.	Is the project required to implement Treatment BMPs?	Yes ☐	No ☒
4.	Does the project impact existing Treatment BMPs?	Yes ☐	No ☒

If the answer to any of the preceding questions is "Yes", prepare a Long Form – Stormwater Data Report. Unless otherwise agreed upon by the District/Regional Design Stormwater Coordinator.

Total Disturbed Soil Area: 0.5 New Impervious Surface: 0.0
Estimated Const. Start Date: 05/1/17 Estimated Const. Completion Date: 08/01/18
Risk Level: RL 1 ☐ RL 2 ☐ RL 3 ☐ Not Applicable ☒

This Short Form – Stormwater Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

Betsy Ross 10/08/16

Betsy Ross, Registered Project Engineer/Landscape Architect *Date*

I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:

Friedrich Wilhelm von Steuben 10/08/16

Friedrich Vilhelm von Steuben, District/Regional Design SW Coordinator or Designee *Date*

1. Project Description

The Pavement Rehabilitation Project (Project) for Interstate 80 (I-80) in Solano County is located in the cities of Fairfield and Vacaville between Post Mile (PM) 20.1 and 30.6. There is a small segment between Soda Springs Road and Blue Mountain Drive within the Project limits that is an unincorporated area of Solano County. The project consists of crack, seal and overlay on the mainline with 0.45 feet of hot mix asphalt with shoulder backing in both directions of I-80.

Caltrans mitigates and permanently stabilizes project disturbed soil area (DSA). This project will create DSA for construction staging areas. The DSA was estimated to be 0.5 acres.

There is no net new impervious (NNI) area or replaced impervious surface (RIS).

The Fairfield-Suisun Sewer District is a Phase I Municipal Separate Storm Sewer System (MS4) Permittee, and Solano County is a Phase II MS4 Permittee.

The contractor is responsible for securing locations for staging and storage. Measures to avoid or reduce potential impacts from the construction area will be specified in the Water Pollution Control Program (WPCP). The WPCP will be developed by the contractor and submitted to Caltrans for approval prior to the start of construction.

2. Site Data and Stormwater Quality Design Issues

Potential project pollutants are asphalt concrete (AC) grindings, striping paint, sediment from DSA, and miscellaneous non-stormwater pollutants the contractor may be using on-site.

Receiving water bodies for this project are in the undefined HSA (511.10 and 560.10), and Suisun Slough HSA (207.23). These are on the 2012 Clean Water Act 303(d) List of Water Quality Limited Segments or has a specified total maximum daily load. Ulatis Creek (Solano County) pollutants include Chlorpyrifos and Diazinon. Ledgewood Creek pollutant includes Diazinon.

Route	District	From PM	To PM	TMDL
80	4	14.7	22.5	San Francisco Bay & Urban Creeks (Diazinon and Pesticide Toxicity)
80	4	8	22.5	San Francisco Bay (Mercury)
80	4	8	22.5	San Francisco Bay (PCBs)

Though these pollutants are Caltrans targeted design constituents, Caltrans is a named TMDL stakeholder for Mercury and PCBs.

The District NPDES Coordinator concurred that this project is not funded for seeking Compliance Units.

A 401 Water Quality Certification is not required.

3. Construction Site BMPs

This project will require a Water Pollution Control Program (WPCP), per Caltrans Standard Specifications. The WPCP will be developed by the contractor and submitted to Caltrans for approval prior to the start of construction. The contractor is responsible for securing locations for staging and storage. Measures to avoid or reduce potential impacts from the construction area will be specified in the WPCP.

Construction BMPs will be available on site to mitigate DSA. Concrete wastes shall be managed through the use of concrete washout facilities.

Storm drain inlet protection shall be deployed throughout the project.

Temporary fence shall be utilized to protect vegetation. Locations of temporary fencing are shown on the project plans.

Various waste management, materials handling, and other housekeeping BMPs shall be used throughout the duration of the project. Stockpiles of various kinds are anticipated and shall be maintained with the appropriate BMPs.

The Construction Site BMPs (PPDG F.3.2) are included in the Construction BMP Estimate below.

Construction BMP Estimate (for Caltrans use only) (at PS&E only)

SS/SSP	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE[1]	AMOUNT[1]
13-3	130300	Prepare SWPPP	LS	0	$0	$0
13-2	130200	Prepare WPCP	LS	1	$1,200	$1,200
13-3.01	130310	Rain Event Action Plan (REAP)	EA	0	$500	$0
13-3.01	130330	Stormwater Annual Report	EA	0	$2,000	$0
13-3.01	130320	Stormwater Sampling and Analysis Day	EA	0	$0	$0
13-4	130100	Job Site Management	LS	1	$26,000	$26,000
		Tracking Controls				
13-7.03D	130730	Street Sweeping	LS	1	$5,000	$5,000
13-7.01	130710	Temporary Construction Entrance/Exit	EA	1	$5,000	$5,000
		Sediment Control/Perimeter Control				
13-6.03E	130640	Temporary Fiber Roll (6")	FT	0	$0	$0
13-6.03G	130660	Temporary Large Sediment Barrier (18-22" Fiber Roll)	FT	0	$0	$0
13-6.03I	130680	Temporary Silt Fence	FT	9,940	$2	$19,880
13-6.03H	130670	Temporary Reinforced Silt Fence	FT	0	$0	$0
13-6.03B	130610	Temporary Check Dam	LF	180	$5	$900
13-6.03F	130650	Temporary Gravel Bag Berm	LF	0	$0	$0
13-6.03C	130620	Temporary Drainage Inlet Protection	EA	88	$100	$8,800
		Non-Stormwater				
13-9.01	130900	Temporary Concrete Washout - Portable	LS	1	7,500	$7,500
		Temporary Soil Stabilization				
13-5.01	130505	Move-in/Move-out (Temporary Erosion Control)	EA	0	$0	$0
13-5.03E	130530	Temporary Hydraulic Mulch (Bonded Fiber Matrix)	SQ YDS	0	$0	$0
		Temporary Hydraulic Mulch (Mechanically Stabilized Fiber Matrix)	SQ YDS	0	$0	$0
13-5.03D	130520	Temporary Hydraulic Mulch	SQ YDS	0	$0	$0
13-5.03H	130540	Temporary Tacked Straw	SQ YDS	0	$0	$0
13-5.03J	130560	Temporary Soil Binder	SQ YDS	0	$0	$0
13-5.03C	130510	Temporary Mulch	SQ YDS	0	$0	$0
13-5.03B	130500	Temporary Erosion Control Blanket	SQ YDS	0	$0	$0
13-502.F	130570	Temporary Cover	SQ YDS	0	$0	$0
		Supplemental Items				
	066596	Additional Water Pollution Control	LS	1	$1,100	$1,100
	066595	Water Pollution Control Maintenance Sharing	LS	0	$0	$0
	066597	Stormwater Sampling and Analysis	LS	1	$0	$0
	066916	Construction General Permit Fees	LS	0	$0	$0
					Total =	$75,380

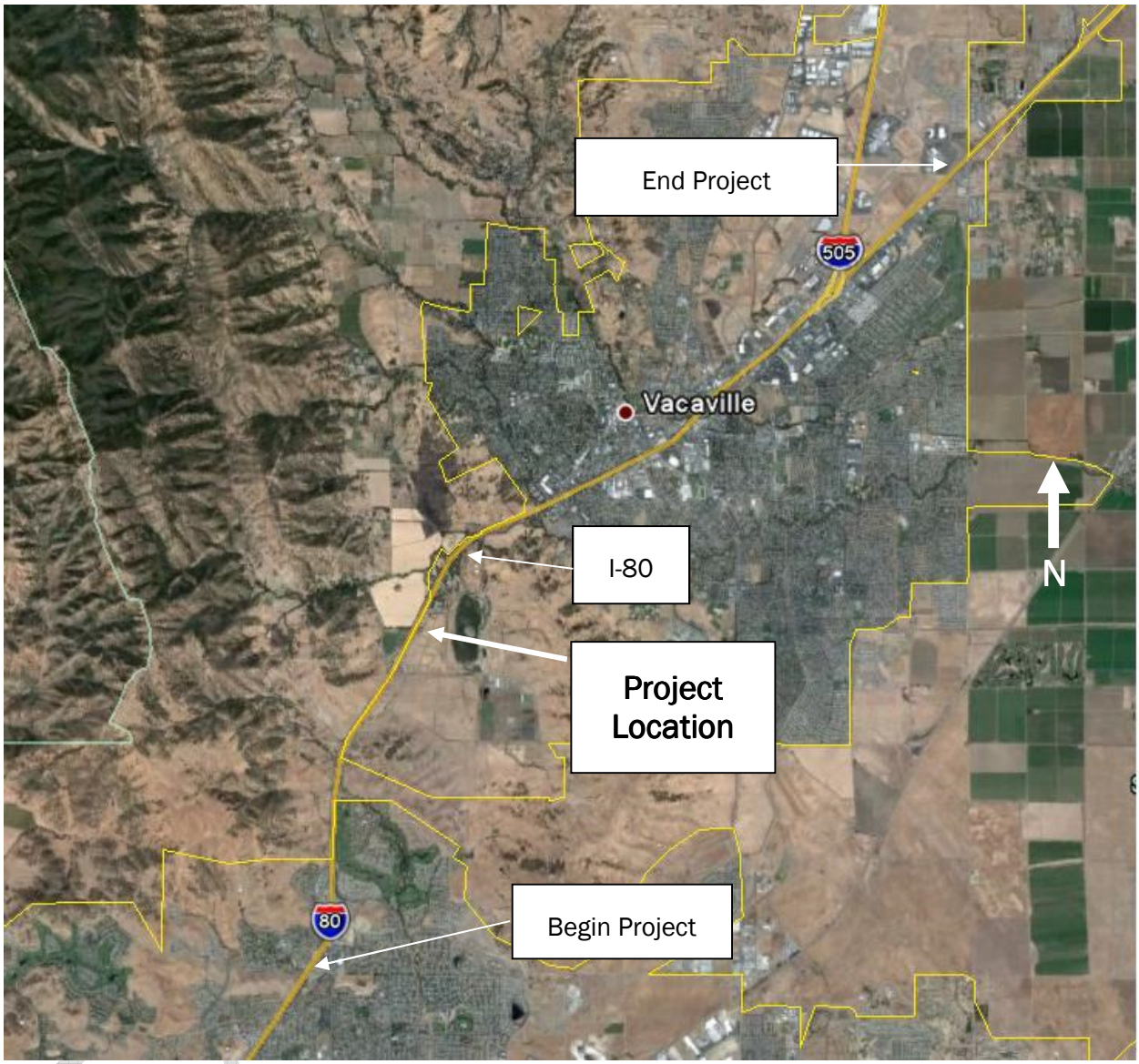
1. - No Time Related Overhead should be included in the Unit Price or Amount	Estimated Project Cost =	$50,000,000
2. - Use the PPDG Table F-2 to show the percentage of cost allocated for Stormwater BMP's	Percent Allocated[2] (PPDG) =	1.25%
3. - This reflects the amount that would be estimated if the PPDG planning level formula was used.	Planning Estimate[3] =	$625,000.00
4. - Percentage of the Estimated Project Cost allocated for CBMPs	CBMPs Percentage of Project Estimate [4] =	0.2%

William Alexander was contacted on September 30, 2016. The Construction unit concurs with the Construction Site BMP development and strategy for this stage of the Project.

Required Attachments[1]

- Vicinity Map
- Evaluation Documentation Form
- SWDR Summary Spreadsheets

[1] Additional attachments may be required as applicable or directed by the District/Regional Design Storm Water Coordinator (e.g., BMP line item estimate, SW, DPP, and CS Checklists).


End Project
505
Vacaville
I-80
N
Project Location
80
Begin Project

Evaluation Documentation Form

DATE: 10-08-16

Project ID (EA): 03-XXXXXX

No.	Criteria	Yes ✓	No ✓	Supplemental Information for Evaluation
1.	Begin Project evaluation regarding requirement for implementation of Treatment BMPs	✓		See Figure 4-1, Project Evaluation Process for Consideration of Treatment BMPs. Continue to 2.
2.	Is the scope of the Project to install Treatment BMPs (e.g., Alternative Compliance or TMDL Compliance Units)?		✓	If **Yes**, go to 8. If **No**, continue to 3.
3.	Is there a direct or indirect discharge to surface waters?	✓		If **Yes**, continue to 4. If **No**, go to 9.
4.	As defined in the WQAR or ED, does the project: a. discharge to areas of Special Biological Significance (ASBS), or b. discharge to a TMDL watershed where Caltrans is named stakeholder, or c. have other pollution control requirements for surface waters within the project limits?		✓	If **Yes to any**, contact the District/Regional Design Stormwater Coordinator or District/Regional NPDES Coordinator to discuss the Department's obligations, go to 8 or 5. _____*(Dist./Reg. Coordinator initials)* If **No** to all, continue to 5.
		✓		
			✓	
5.	Are any existing Treatment BMPs partially or completely removed? (ATA condition #1, Section 4.4.1)		✓	If **Yes**, go to 8 **AND** continue to 6. If **No**, continue to 6.
6.	Is this a Routine Maintenance Project?	✓		If **Yes**, go to 9. If **No**, continue to 7.
7.	Does the project result in an increase of one acre or more of new impervious surface (NIS)?			If **Yes**, go to 8. If **No**, go to 9.
8.	Project is required to implement Treatment BMPs.	Complete Checklist T-1, Part 1.		
9.	Project is not required to implement Treatment BMPs. FWS *(Dist./Reg. Design SW Coord. Initials)* BR *(Project Engineer Initials)* 10/08/16 *(Date)*	Document for Project Files by completing this form and attaching it to the SWDR.		

See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs

SWDR

SWDR Signed Date	District	EA/Project ID	County	Route	Beg_PM	End_PM	Project Description	Project Phase	Long SWDR	Risk Level	DSA (ac)	TMDL Waterbody
10/8/2016	4	XXXXXX	SOL	80	20.10	30.60	Maintenance	PS&E	No	WPCP	0.5	Yes

Biofiltration Strips and Swales	Detention	Infiltration Devices	GSRD	TST	MedFilter	DPPIA	SA	Other BMP	Est. Const_Start	Est. Const _Comp	SW Comment
0	0	0	0	0	0	0	0	0	1/1/2017	12/31/2019	

Post Const Treatment Area (ac)	Treated Impervious Area (ac)	Treated Impervious Area Balance (ac)	Treated Pervious Area (ac)	Stabilized Area (ac)	MWELO	RSA
0.00	0.00	**0.00**	0.00	0.00	No	No